Aerial Reconnaissance Low (ARL)
(version 1.0)

Date: 2013-09-30
ICoE - Mil Intelligence School

This page intentionally left blank

Table Of Contents

This System Training Plan (STRAP) is preliminary.
Front end analysis (mission, task, job) is ongoing. ICoE - Mil Intelligence School will amend
and update this STRAP as details solidify.

ICoE - Mil Intelligence School is the proponent for this STRAP. Send comments and recommendations directly to: Stephen J Mc Farland
    Comm: 520-533-5387
    DSN:
    Email: stephen.mcfarland@us.army.mil
    Mailing address:

1.0 System Description

The Aerial Reconnaissance Low (ARL)/Aerial Reconnaissance Low-Enhanced (ARL-E) system description will be based on requirements defined in the ARL/ARL-E CPD. The ARL/ARL-E systems are manned Army Airborne Intelligence, Surveillance, and Reconnaissance (ISR) systems designed to fill critical operational gaps identified in the Joint Direct Support Airborne ISR (JDSAISR) Initial Capabilities Document (ICD), the Counter-Concealment Sensing (C-CS) ICD, and the Training and Doctrine Command (TRADOC) Aerial Reconnaissance and Surveillance (R&S) assessment. Headquarters Department of the Army (HQDA) G-3/5/7 issued an ARL Validation and Direction memorandum, dated 25 APR 11, which revalidated the requirement for ARL-E, and baselines the current capabilities. Identified gaps include shortfalls in available Electro-Optical/Infrared (EO/IR) imagery, Full Motion Video (FMV), tactical Signals Intelligence (SIGINT), Light Detection and Ranging (LiDAR), Wide Area Aerial Surveillance (WAAS), Synthetic Aperture Radar/Moving Target Indicator (SAR/MTI), Hyperspectral Imagery (HSI) sensors, Penetrating Radar (PENRAD) and an integrated network communications architecture required to support tactical commanders.

2.0 Target Audience

The following Military Occupational Specialties (MOS), assigned to ARL/ARL-E units, will require training:

3.0 Assumptions

 Training&Documentation:

4.0 Training Constraints

Constraint Type	Constraint	Probable Impact	Mitigating Efforts
Training Equipment	Currently, no full motion sensors are in place to facilitate ARL/ARL-E institutional training in CONUS.	Pilot training consists of five (5) weeks of Safety Training in Toronto, Ontario, Canada. Any yearly/Bi-yearly refresher training (3-5 days) is also in Toronto, Ontario, Canada. due to this, training may not start on time for future fielding.	US Army Intelligence Center of Excellence (USAICoE) in conjunction with PM Fixed Wing (FW) will leverage existing aircraft that may act as a surrogate or substitute for the DH C-07/DH C-08 during this portion of the training.
Funding	PM ARES has not identified funding for the institutional training.	Payload Operators and maintainers will not have a facility or appropriate Training Devices, Aides, Simulations and simulators (TADSS) available for institutional and reach-back	PM ARES, in concert with USAICoE, will implement a phased, incremental funding solution that considers the initial funding constraints. This incremental funding for ARL/ARL-E will

		capability training.	be identified in future funding plans. The Department of the Army (DA) Planning Programming, Budgeting, and Execution System (PPBES) (via the acquisition process) will direct all funding requirements for the ARL/ARL-E
ARL Surrogate	Currently there are no ARL/ARL-E surrogate(s) that can be used in lieu of the actual ARL or ARL-E aircraft itself	Pilots will not be able to perform any type of flight training unless an actual ARL/ARL-E platform is available	PM FW will leverage existing or new aircraft that can act as an ARL/ARL-E surrogate aircraft for training purposes
Pilot Training	Currently, there is no scheduled ARL/ARL-E Pilot training to occur at Ft. Huachuca, Arizona.	Pilots require additional training to achieve full ARL/ARL-E qualification.	Upon graduation from Ft. Rucker, Ala, ARL/ARL-E identified pilots will continue to train at two different locations (Ft. Bliss,

			TX&Toronto, Ontario, Canada) instead of one central location (Ft. Huachuca, AZ).
Payload Operator Training	Currently there are no ARL/ARL-E aircraft for personnel attending the ASPO/ AGPO course at Ft. Huachuca, AZ. to train on.	Payload Operators will not be able to perform any payload training specifically on the actual ARL/ARL-E platform. EMARSS platforms will be leveraged for ARL/ARL-E training	PM ARES in conjunction with USAICoE, will leverage existing or new aircraft that can act as a Mission surrogate (defined as a payload training aircraft when an ARL/ARL-E is not available) for ASPO/AGPO training purposes of ARL/ARL-E personnel as part of the A-ISR Training Strategy
TADSS	There are no system training devices/simulations currently available to replicate ARL/ARL-E training. ARL/ARL-E training must rely on the	Training will be limited to the use of the actual system aircraft for all critical tasksk. This is not a cost effective training solution. It will	PM ARES (with input from USAICoE) will create a training device using simulations for selected ARL/ARL-E critical task and training areas where

	actual system aircraft. Due to low-density, these aircraft are not always available and are expensive to maintain.	affect both training time and availability.	feasible and cost effective. For training purposes, ASPO/AGPO TADSS will be used/updated where needed/required. PM ARES, in conjunction with USAICoE, will ensure the device conforms to the system TSA requirements for sensor and payload virtual training.

5.0 System Training Concept

Training will be available at the Institutional, Operational, and Self-Development domains. The following paragraphs illustrate this concept.

<u>Institutional</u>

5.1 New Equipment Training Concept (NET)

PM FW and PM ARES will develop the NET TSP in conjunction with USAICoE and conduct NET concurrently with ARL/ARL-E system fielding and upgrades. PM FW and PM ARES will resource the NET to include contractor instructor-logistics support, and complete POI for each role/duty position in TRADOC-approved format. PM FW, PM ARES, and TRADOC will ensure NET teams train students on all ARL/ARL-E critical tasks in a learner-centric, scenario-driven training environment that incorporates operational ARL/ARL-E equipment, simulators, and simulations. NSTID will integrate DTT in each NET POI and execute the DTT during each fielding event or upgrade. The NET TSP and all associated material will serve as the leave behind package for unit sustainment training and will be available on the IKN/IKN-Secret.

5.2 Displaced Equipment Training (DET)

PM ARES will resource and coordinate displaced equipment training according to the NET plan for the displaced systems.

5.3 Doctrine and Tactics Training (DTT)

PM FW will resource development of the DTT as it pertains to the airframe while PM ARES will resource development of the DTT as it pertains to the payload. NSTID will develop and execute DTT that integrates ARL/ARL-E capabilities, organizational impacts, and current Tactics, Techniques and Procedures (TTP) into the Intelligence Warfighting Function at the fielded AEB. NSTID will maintain and update the DTT in the leave behind TSP and in an appropriately classified repository for Army wide access. NSTID will review/update the DTT and the TSP as necessary for system or doctrine modifications. At a minimum, each system increment will trigger modifications to the ARL/ARL-E TSP and will directly affect DTT. NSTID will disseminate all modifications to fielded units and update all ARL/ARL-E data repositories.

Institutional/Operational training will be an integral part of the ASPO/AGPO payload Operator course at Ft. Huachuca, AZ and the ARL/ARL-E pilot qualification course at Ft. Bliss, TX. Existing institutional courses will

have the ability to access the NET POI, which includes the DTT on IKN, for incorporation into each course's POI. Additionally, other training centers will have access in order to develop TTPs for using/leveraging the information provided by ARL/ARL-E.

5.4 Training Test Support Package (TTSP)

NSTID will develop and validate the TTSP in conjunction with PM FW, PM ARES and TRADOC Capabilities Manager-Intelligence Sensor (TCM-IS). The TTSP will describe the methods, procedures, and resources required to evaluate and certify Soldiers on individual and collective tasks prior to testing/evaluation. The TTSP will include the training for system operation, doctrine, tactics, and maintenance. NSTID will provide the initial TTSP to the Army operational tester 9 months (270 days) before test and the final TTSP 2 months (60 days) before test player training.

The initial TTSP will include:

6.0 Institutional Training Domain

The A-ISR Training Strategy will leverage existing government facilities for the ARL/ARL-E instruction. The A-ISR Training Strategy utilized for the institutional training of ARL/ARL-E pilots, Payload Operators, maintainers, and MI Professional Military Leaders courses. TD&S will develop institutional POI(s) and LP(s) from the NET TSP and existing contracted training.

Training will use the ARL/ARL-E TSP for payload and sensor training focused on system critical tasks, when this capability is developed. USAICoE will train Soldiers and leaders in TCPED skills appropriate to ARL/ARL-E institutional product lines that will include the training equipment, courseware, training manuals, and TSP to train Soldiers on ARL/ARL-E capabilities.

Due to the low density of ARL/ARL-E airframes, the pilot training for ARL/ARL-E pilots is unique to the ARL/ARL-E program and not aligned with the A-ISR Training Strategy. ARL/ARL-E institutional training will leverage other training capabilities where possible to gain maximum potential for the ARL/ARL-E training based on the Soldier's AOC/MOS and role/duty position. "Hands-On" Pilot training will take place at Ft. Bliss and consist of Aviators who have graduated from the AQC and will train pilots to operate the ARL/ARL-E aircraft via the use of simulators and aircraft. The USAACE and USAICoE will approve the aircrew POI to ensure they meet regulatory and doctrinal guidance.

USAICoE retains full authority for approving the content and design of the mission manager and maintainer TSPs.

Ft. Huachuca, AZ will host all payload training. Payload training will be based on the A-ISR Training strategy and consist of both ASPO and AGPO courses.

Maintenance training will be located at Ft. Huachuca, AZ. This training will include software-defined receivers, associated hardware, and advanced networking techniques using CDL.

6.1 Institutional Training Concept and Strategy

USAICoE will train Soldiers on ARL/ARL-E operational concepts in professional military education, Advanced Individual Training (AIT), and functional courses according to AOC/MOS and role/duty position.

6.1.1 Product Lines

ARL/ARL-E institutional product lines will include the training equipment, courseware, TM, TSP, training facilities, and land necessary to train Soldiers on ARL/ARL-E capabilities. ARL/ARL-E institutional training will leverage other training capabilities where possible to realize efficiencies for the ARL/ARL-E training.

6.1.1.1 Training Information Infrastructure

Institutional ARL/ARL-E Training Information Infrastructure (TII) will consist of components and/or sub-components of the operational systems and software networked in a classroom environment. It will include constructive simulation architecture and associated training devices, the TRADOC approved data repository, the Army Training Requirements and Resource System (ATRSS), and the necessary hardware and software to conduct training. ARL/ARL-E TII will

conform to both joint and Army architectures and standards to enable the development, storage, retrieval, delivery, and management of Training Support System (TSS) products and information.

6.1.1.1.1 Hardware, Software, and Communications Systems

PM ARES will resource and coordinate for the availability of all primary mission equipment (PME)-related system hardware, software, communications, and any other supporting ARL/ARL-E PME institutional training equipment that is not part of DCGS-A. Systems and sub-systems will include but not be limited to:

6.1.1.1.2 Storage, Retrieval, and Delivery

ARL/ARL-E institutional training information will be located at one or more of the following TRADOC data repositories: Army Training Network (ATN), Central Army Register (CAR), IKN and IKN-Secret

6.1.1.1.3 Management Capabilities

The Digital Training Management System (DTMS), ATRRS, and other TRADOC approved architectures will be the repositories for all ARL/ARL-E institutional TII.

6.1.1.1.4 Other Enabling Capabilities

Institutions must coordinate for medical support and altitude chamber certification to maintain aviator and Non Rated Crew Member (NRCM) readiness in support of mission requirements.

6.1.1.2 Training Products

ARL/ARL-E institutional training products will include courses, courseware, and training publications. USAICoE will incorporate ARL/ARL-E course materials into appropriate functional and AIT courses. PM FW and PM ARES updates to ARL/ARL-E sub-systems and/or payloads will trigger training material updates.

6.1.1.2.1 Courseware

PM FW and PM ARES in conjunction with both USAACE and USAICoE will provide input for the entry of A-ISR functional course LPs into the TRADOC-approved repositories. USAICoE will use the LPs entered into TRADOC-approved repositories for course development and generation of the POI and capabilities presentation. Additionally, PM ARES will be responsible for the funding and development of an ARL/ARL-E functional courseware Interactive Multimedia Instruction (IMI). PM ARES will leverage existing manned IMI architectures in order to develop an ARL/ARL-E specific IMI. The IMI will use computers/simulators for Mission Payload Operators on their institutional workstations. ARL/ARL-E specific IMI Tasks will include (but are not limited to) training in the specialties of Radar, FMV, GEOINT, SIGINT etc. with an objective IMI of Level 4.

6.1.1.2.2 Courses

AIT courses will provide an ARL/ARL-E overview on possible ARL/ARL-E missions and possible affects on the role of the Payload Operator.

AIT Courses:

6.1.1.2.3 Training Publications

PM FW and PM ARES will develop Interactive Electronic Technical Manuals (IETM) for the system and are responsible for developing a Software User Manual (SUM) for the ARL/ARL-E Aircrew Training Manual (ATM). Training publications will be accessible on IKN/IKN-Secret.

USAICoE will incorporate the ARL/ARL-E SUM when updating the following Field Manuals (FM) and Training Circulars (TC) to include ARL/ARL-E capabilities:

6.1.1.2.4 Training Support Package (TSP)

ARL/ARL-E institutional training will consist of a yet to be determined number of TSPs targeted to specific audiences at selected training sites. USAICoE and USAACE will tailor each TSP to train Soldiers according to MOS, role/duty position, training location, and training equipment. USAICoE and USAACE will base all institutional TSPs on the training products and materials from the PM-provided NET TSP.

As PM FW and PM ARES updates the NET TSP with new or improved training products or materials, USAICoE and USAACE will update institutional TSPs to reflect changes in system capabilities or TTPs. USAICoE and USAACE will validate that all ARL/ARL-E TSPs reflect the Army Learning Model and hosted on the approved training data repository in the correct format. PM FW, PM ARES, USAICoE, and USAACE will store all TSP data and information in distributed knowledge repositories supported by TRADOC approved repositories. PM ARES, USAICoE, and USAACE will develop all TSPs in compliance with Army Enterprise Architecture (AEA) under the Joint Technical Architecture-Army (JTA-A). Training developers will implement Army Training Information Architecture (ATIA), Common Training Instrumentation Architecture (CTIA), and accepted Department of Defense (DoD) standards (i.e. Army Distributive Learning [ADL], Shareable Courseware Object Reference Model SCORM) in the design and development of embedded and distributive learning products.

PM FW, PM ARES, USAICoE, and USAACE will cooperate to develop and maintain a robust set of institutional TSPs that include:

6.1.1.3 TADSS

PM ARES will develop ARL/ARL-E TADSS based on requirements defined in the ARL/ARL-E CPD that replicate visual and audible cues the operators must respond to. ARL/ARL-E will leverage the TADSS / TSA developed for the EMARSS, due to the commonality of payloads. The TSA for ARL/ARL-E will reside within the system located at Friedman Hall, Ft. Huachuca AZ and the ARL/ARL-E aircraft. The primary system-training device (for intelligence collection functions) is the ARL/ARL-E IEWTPT TSA. PM ARES will develop the TSA complementary to the IEWTPT program. PM ARES will develop all courseware and TADSS in accordance with the following publications:

6.1.1.3.1 Training Aids

Training aids will include, but not limited to, IETMs, SUMs, student handouts, job aids, and role/position checklists.

6.1.1.3.2 Training Devices

Training devices will include:

6.1.1.3.3 Simulators

System Simulator – PM ARES will develop a Virtual and Constructive system simulator (i.e. PTT) that includes Payload Operator workstations and all the hardware software needed to connect to, and control, the system's payloads. This system simulator will use the TSA capability to train Payload Operators via complete mission simulation by providing hands-on experience on the equipment racks and workstations. The system simulator will also include a work space that emulates the cabin of the aircraft so NRCMs can become accustomed to the constraints of the working environment on-board the aircraft. The ground aspect of the simulator will facilitate the instruction of 10 students and positions for two instructors with external access so that instructors and over the shoulder demonstrations can be conducted. All positions in both aspects will be networked together to allow for cross coordination between different Payload Operators and observation and intervention by instructors.

6.1.1.3.4 Simulations

ARL/ARL-E Constructive simulations will comply with the communications and data-exchange standards to interface with unique Live, Virtual, Constructive, and Gaming (LVCG) enablers/environments associated with aviation simulations platforms and networks. Constructive simulations envisioned are Joint Land Component Constructive Training Capabilities (JLCCTC) and IEWTPT.

ARL/ARL-E will provide modeling information (content and functionality) on the ARL/ARL-E to Program Executive Office Simulations Training and Instrumentation (PEO STRI) and TCM Gaming to enable proper implementation of ARL/ARL-E functions/capabilities for applicable gaming simulations.

6.1.1.3.5 Instrumentation

PM ARES will coordinate with the PEO STRI for assessment on the Instrumentation for training. This will include the Live Tactical Engagement System (Live-TES) (if applicable) once fully developed and implemented.

6.1.1.4 Training Facilities and Land

The training facilities will include, at a minimum, classrooms (Sensitive Compartmented Information Facility (SCIF) - certified if required), simulators, administrative areas, and hangar areas (SCIF - certified as required) for training. The training infrastructure will also include prescribed airspace for ARL/ARL-E surrogate flights. The institutional training environment will include facilities necessary to coordinate the following:

6.1.1.4.1 Ranges

Live ARL/ARL-E training conducted through ASPO/AGPO will require both airspace and an electronic warfare range for full spectrum and threat engagement of ARL/ARL-E targets using the mission surrogate airframe.

6.1.1.4.2 Maneuver Training Areas (MTA)

Live ARL/ARL-E training conducted through ASPO/AGPO will require use of local MTAs to role-play ARL/ARL-E supported units and targets using the mission surrogate airframe.

6.1.1.4.3 Classrooms

Pilots will utilize existing facilities&equipment located at Ft. Rucker, Ft. Bliss, and Ontario, Canada. Payload Operators will utilize existing or new facilities for specified functional courses located at Ft. Huachuca, AZ. Equipment required will include, but is not limited to, simulators/workstations with current software and all system specific software and applications loaded to support mission surrogate airframe and assets.

The following communications networks may be required:

6.1.1.4.4 CTCs

N/A

6.1.1.4.5 Logistics Support Areas

Facilities for logistic support will be located in the following area:

6.1.1.4.6 Mission Command Training Centers (MCTC)

N/A

6.1.1.5 Training Services

PEO STRI and PM FW will support all training capabilities associated with the ARL/ARL-E program throughout the systems lifecycle. PM ARES will be responsible for one-year interim contractor support for any PME. Additionally, PM ARES will be responsible for one-year interim contractor support for any P3I PME implementation.

6.1.1.5.1 Management Support Services

Management support services will be required for:

6.1.1.5.2 Acquisition Support Services

Where applicable, acquisition support will be required for:

6.1.1.5.3 General Support Services

PM ARES, PM FW, USAICoE, PEO STRI, and INSCOM will jointly provide and coordinate general support services for ARL/ARL-E facility support, training devices, maintenance of the airfield, hangars, and ramp space upgrades and modernization.

Where applicable, support will be required for:

6.1.2 Architectures and Standards Component

6.1.2.1 Operational View (OV)

ARL/ARL-E institutional training will leverage other training capabilities where possible to gain maximum potential for the ARL/ARL-E training based on the AOC/MOS and role/duty position. Functional courses will train Soldiers on ARL/ARL-E operations using simulators, simulations, and live mission flights. Training will include crew coordination exercises using simulators and

ARL/ARL-E equipment in an integrated training approach that exercises all system critical tasks. Courses will use robust, high-fidelity constructive simulations integrated with operational system software to simulate a virtual maneuver battle-space.

Pilot training (15A/15C35/155G): The Fixed Wing Multi Engine Qualification Course (FWMEQC) qualifies pilots as Fixed Wing aviators and C-12 pilots. Graduates of this course, identified as potential ARL / ARL-E pilots will proceed to training at the Flight Safety International, in Toronto, Ontario, Canada on the DHC-7 airframe for 5 weeks followed by ARL/ARL-E specific training via the use of simulators and aircraft flight time using ARL/ARL-E surrogate and ARL/ARL-E airframe (where applicable) located at Ft. Bliss.

Payload Training: Ft. Huachuca will host all payload training. Payload training will consist of MOS 35N/P/G based on the A-ISR Training strategy and consisting of both SIGINT (ASPO) and GEOINT (AGPO) courses.

Maintenance training (35T): Training will be located at Ft. Huachuca, AZ as part of 35T AIT. This training will include software-defined receivers, associated hardware, and advanced networking techniques using a CDL.

A-ISR Mission Manager training (35 G/P/N, 352 G/N&35D): This course will instruct senior NCOs and Officers/Warrant Officers on managing A-ISR assets.

6.1.2.2 Systems View (SV)

Institutional ARL/ARL-E training systems and connections will consist of:

6.1.2.3 Technical View (TV)

N/A

6.1.3 Management, Evaluation, and Resource (MER) Processes Component

6.1.3.1 Management

USAICoE, with the support of PM ARES and PEO STRI, will develop and manage training curriculum, training facility, and associated training devices.

6.1.3.1.1 Strategic Planning

The A-ISR Training Strategy supports the ARL/ARL-E institutional training of the over-arching JDSAISR Initial Capabilities Document requirements to ensure Soldiers are capable of employing A-ISR assets throughout the force.

The following force design and training concepts will apply to future ARL/ARL-E training capabilities:

6.1.3.1.2 Concept Development and Experimentation (CD&E)

N/A

6.1.3.1.3 Research and Studies

6.1.3.1.4 Policy and Guidance

The following Army Regulations (AR), TRADOC Regulation (TR), and Training Publications (TP) describe the implementation of the TSS for ARL/ARL-E:

6.1.3.1.5 Requirements Generation

6.1.3.1.6 Synchronization

6.1.3.1.7 Joint Training Support

N/A

6.1.3.2 Evaluation

USAICoE Quality Assurance Office (QAO) will evaluate ARL/ARL-E institutional courses through established formal and informal processes to ensure efficient and effective training. USAACE using the Aviation Resource Management System (ARMS) will evaluate ARL/ARL-E institutional pilot training.

6.1.3.2.1 Quality Assurance (QA)

The USAICoE and the USAACE QAO provides oversight on institutional training curriculums by evaluating classroom instruction and associated training documentation and courseware.

6.1.3.2.2 Assessments

The USAICoE QAO performs assessments of institutional courses by individual surveys, special surveys, and classroom monitoring. The Deputy Commander of Training (DCT) and relevant command sections/cadre, will receive all Survey results

.

6.1.3.2.3 Customer Feedback

N/A

6.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

Lessons learned and AAR data supports efficient and effective ARL/ARL-E institutional training by identifying strengths and weaknesses observed in the operational environment.

6.1.3.3 Resource

7.0 Operational Training Domain

ARL/ARL-E training in the operational domain will consist of attendance at functional courses, NET, the Commander's ATP, a formal OJT program, unit collective training, and select Project Foundry training opportunities as it pertains to ARL/ARL-E.

USAICoE will provide support to all operational training product lines through the appropriately classified network to ensure ARL/ARL-E unit personnel are ready and able to perform the complex critical individual and collective tasks required for mission success.

7.1 Operational Training Concept and Strategy

Functional Course

: The unit will select mission managers and payload operators and will provide unit specific training in mission planning, system configuration, sensor management, communications links, tasking, and reporting. In addition, selected personnel for the Mission Managers and payload operators' role will attend the A-ISR Manager, ASPO, and AGPO courses at Ft. Huachuca, AZ.

7.1.1 Product Lines

ARL/ARL-E operational product lines will include the training equipment, courseware, TMs, TSPs, training facilities, and land necessary to train and sustain Soldiers on ARL/ARL-E capabilities and collective tasks as it pertains to ARL/ARL-E missions. ARL/ARL-E operational training will leverage other training capabilities where possible to maximize ARL/ARL-E capabilities.

7.1.1.1 Training Information Infrastructure

Operational ARL/ARL-E TII will consist of position specific constructive simulation architecture, the TRADOC-approved data repository, the Military Intelligence Training System (MITS), and the necessary hardware and software

to conduct training. ARL/ARL-E TII will conform to both joint and Army architectures and standards to enable the development, storage, retrieval, delivery, and management of TSS products and information.

7.1.1.1.1 Hardware, Software, and Communications Systems

Units will access training support information and training exercise content using operational equipment including ARL/ARL-E, associated sub-system components, supporting systems, and appropriate networks.

7.1.1.1.2 Storage, Retrieval, and Delivery

ARL/ARL-E institutional training information will be located at one or more of the following TRADOC data repositories: ATN, CAR, IKN and IKN-Secret.

7.1.1.1.3 Management Capabilities

USAICoE and USAACE will manage ARL/ARL-E operational TII training databases.

7.1.1.1.4 Other Enabling Capabilities

Units must coordinate for medical support and altitude chamber certification to maintain aviator and NRCM readiness in support of mission requirements.

7.1.1.2 Training Products

NSTID will maintain all ARL/ARL-E training materials (including DTT) in knowledge centers on appropriately classified networks. PM FW and PM ARES will provide updated training materials to USAICoE and fielded units at each system increment. PM FW and PM ARES will ensure annotation of new or updated training materials to identify new, modified, or deleted content.

ARL/ARL-E units will incorporate content from the ARL/ARL-E NET TSP into the ATP and formal OJT program, and provide the training program documentation to NET and PM ARES to ensure consistent training.

ARL/ARL-E units will determine appropriate training materials for individual training programs, mission training plans, and collective training exercises using the CATS.

7.1.1.2.1 Courseware

ARL/ARL-E units will develop an ATP and formal, role-specific OJT programs from the ARL/ARL-E NET TSP. Units will select mission-appropriate interactive courseware and interactive multimedia instruction from the NET TSP and modify as necessary to satisfy the commander's requirements.

7.1.1.2.2 Courses

Foundry training opportunities support advanced Soldier capabilities through local and Mobile Training Teams (MTT). The unit's mission may dictate further training requirements such as Survival, Evasion, Resistance, and Escape (SERE).

7.1.1.2.3 Training Publications

IKN/IKN-Secret will host current IETMs, SUMs, FMs, and superseded training publications until the legacy equipment is de-fielded.

7.1.1.2.4 TSP

Commanders will use elements of the NET TSP for unit sustainment training on critical collective tasks and supporting individual critical tasks. For a full description of the NET TSP, see paragraph 5.1 - New Equipment Training.

7.1.1.3 TADSS

TADSS for operational training will support training/sustainment of ARL system critical tasks. The primary training device for collection/payload operator/collector task training will be the ARL TSA. The TSA will create, using simulations, a high fidelity virtual data environment for training ARL software toolsets and applications.

7.1.1.3.1 Training Aids

PM FW and PM ARES will resource the training aids required for NET and unit sustainment training to include IETMs, SUMs, student handouts, job aids, and role/position checklists.

7.1.1.3.2 Training Devices

PM ARES, with input from USAICoE and PEO-STRI, will develop the ARL/ARL-E IEWTPT TSA to support individual and collective training. For a detailed description, see paragraph 6.1.1.3.2 Training Devices.

7.1.1.3.3 Simulators

PM ARES, in conjunction with the unit, will provide/develop ARL/ARL-E simulations for the unit based on the overarching strategies of the JLCCTC. This simulator will provide an ARL/ARL-E TSA through an IEWTPT simulations interface to replicate vital aspects of an A-ISR operational environment to train ARL/ARL-E both pilots and Payload Operators via ARL/ARL-E simulated mission(s).

7.1.1.3.4 Simulations

The ARL/ARL-E TSA will connect to IEWTPT and provide Payload Operators with data from realistic scenarios for training. The TSA will also provide the critical interface between the constructive simulations to replicate ARL/ARL-E collection capability during training exercises and unit training events. PM ARES will leverage existing sensors and activity models to replicate PM ARES systems in the virtual battle-space of the JLCCTC federation of simulations.

ARL/ARL-E will provide modeling information (content and functionality) on the ARL/ARL-E to PEO STRI (PM-ACTT) and TCM Gaming to enable proper implementation of ARL/ARL-E functions/capabilities for applicable gaming simulations.

7.1.1.3.5 Instrumentation

USAICoE, PEO STRI, INSCOM, and PM ARES will assess training instrumentation requirements during system development of the ARL/ARL-E simulator/simulation.

7.1.1.4 Training Facilities and Land

Units will train using existing facilities and land. Unit land requirements will depend heavily on mission operational tempo and supported unit-training requirements.

7.1.1.4.1 Ranges

Live ARL/ARL-E training will require both airspace and an electronic warfare range for full spectrum and threat engagement of targets

7.1.1.4.2 Maneuver Training Areas (MTA)

Live ARL/ARL-E training will require use of local MTAs to role-play supported units and targets.

7.1.1.4.3 Classrooms

Units will utilize pre-existing classrooms (SCIF - certified if required) and training areas to conduct operational/sustainment training after the fielding of ARL/ARL-E.

7.1.1.4.4 CTCs

IEWTPT/TSA capability will allow ARL units to participate in exercises at CTC, when applicable.

7.1.1.4.5 Logistics Support Areas

ARL/ARL-E operational training will not require logistics support areas beyond current existing unit facilities.

7.1.1.4.6 Mission Command Training Centers (MCTC)

MCTC will use ARL/ARL-E capability models to present Soldiers and leaders with realistic responses to requests for support from ARL/ARL-E units before, during, and after simulated combat events. ARL/ARL-E units will participate in MCTC events, using the IEWTPT to populate ARL/ARL-E capability models in the constructive simulation.

7.1.1.5 Training Services

PM FW and PM ARES will support all ARL/ARL-E training capabilities to include updates and sustainment through the end of the ARL/ARL-E lifecycle.

7.1.1.5.1 Management Support Services

PM ARES will coordinate operational trainer's access to the information, courseware, requirements, devices, and communication technology management services necessary to conduct robust unit sustainment training with USAICoE or any other proponent body.

7.1.1.5.2 Acquisition Support Services

PM FW and PM ARES will maintain and upgrade all system-specific TADSS when fielding product improvements. PM FW and PEO STRI will develop the Contractor Logistic Support (CLS) Management Decision Package (MDEP), commonly referred to as World-Wide Contractor Logistics Support (WCLS), required for TADSS use at home station.

In addition, PM FW PM ARES (where applicable) will provide acquisition support for (but not limited to) the following:

7.1.1.5.3 General Support Services

PM FW and PM ARES will develop and distribute any other TADSS required to conduct NET and unit sustainment training.

7.1.2 Architectures and Standards Component

7.1.2.1 Operational View (OV)

ARL/ARL-E qualified pilots enter the ATP upon arrival to the AEB. Additionally, the AEB unit will select senior 35G/N/P, 350G, 352N, and 353T to the A-ISR Mission Manager Course located at Fort Huachuca, AZ.

Operational training will consist of NET and sustainment training conducted at ARL/ARL-E units. PM ARES will provide NET using ARL/ARL-E facilities and the fielded system equipment.

Sustainment training will consist of individual and collective training events that support the Commander's training strategy. Individual training will include the formal OJT program, the Commander's ATP, MTT rotations, and situational and field exercises as necessary to support the unit METL and the ARL/ARL-E Collective CTL. NSTID or the Database owners will host any classified dL products in an appropriate dL repository accessible from workstations in the ARL/ARL-E unit. The ARL/ARL-E TSA will link payload control software interfaces to simulated scenarios to train and sustain Payload Operator skills.

7.1.2.2 Systems View (SV)

Operational ARL/ARL-E training will use the fielded system and the ARL/ARL-E TSA connected to the IEWTPT. Individual training to support collective tasks will access virtual and constructive simulations through the ARL/ARL-E TSA. Unit training will be supported by appropriately classified learning management, knowledge, and dL repositories for access by unit Soldiers.

Operational ARL – Training (OV-1)
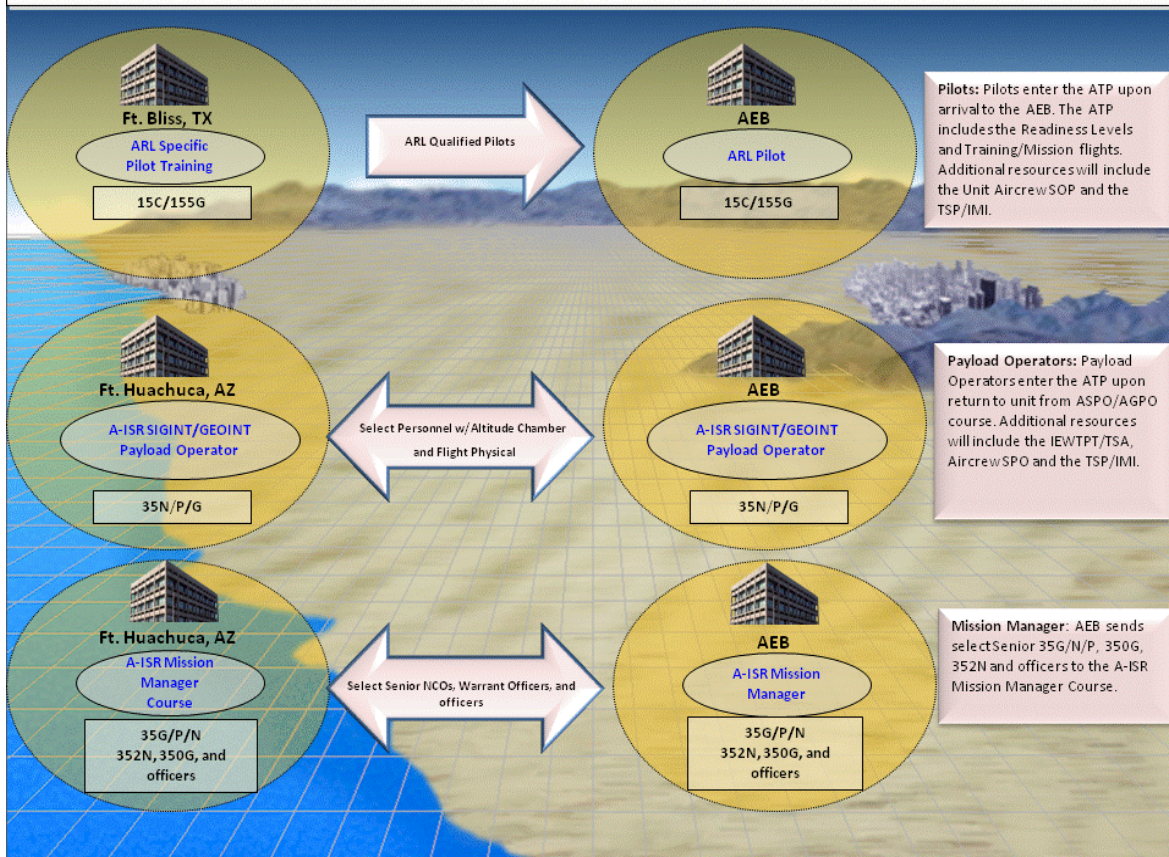
USAICoE will maintain appropriate databases. Project Foundry will support MOS and technical sustainment training as necessary. Mission Managers course will require a TS/SCI classroom with access to appropriate classified databases.

7.1.2.3 Technical View (TV)

N/A

7.1.3 Management, Evaluation, and Resource (MER) Processes Component

7.1.3.1 Management

7.1.3.1.1 Strategic Planning

PM FW and PM ARES in conjunction with NSTID will develop the ARL/ARL-E TSP meets the requirements set forth in the JDSAISR ICD and the CATS. Commanders will consult the following Army policy, strategic visions and the ATN Unit

Training Management (UTM) page when developing unit-training plans:

7.1.3.1.2 Concept Development and Experimentation (CD&E)

N/A

7.1.3.1.3 Research and Studies

N/A

7.1.3.1.4 Policy and Guidance

The following ARs, TR, TPs, and TC describe the implementation of the TSS for ARL/ARL-E:

7.1.3.1.5 Requirements Generation

7.1.3.1.6 Synchronization

Operational training synchronization will include actions that involve arranging activities in time, space, and purpose relative to other training initiatives to maximize ARL/ARL-E TSS operations. These synchronization efforts may include:

7.1.3.1.7 Joint Training Support

TBD

7.1.3.2 Evaluation

7.1.3.2.1 Quality Assurance (QA)

NSTID will use AARs conducted during and at the conclusion of NET/DTT to ensure quality and content of the training satisfies unit requirements. NSTID will use responses to make immediate modifications and/or supplementations to the NET/DTT if needed. One year after fielding, NSTID will solicit feedback from the unit to determine long-term effectiveness of NET/DTT and sustainment training. Feedback will assist USAICoE in correcting training deficiencies and will provide information that may affect the next generation of equipment or product improvements.

7.1.3.2.2 Assessments

NSTID representatives evaluate and validate NET/DTT at fielded units. A NSTID representative monitors NET/DTT, conducts AARs, and recommends changes to the training materials as required. NET uses Situation Training Exercise (STX) at the conclusion of training to evaluate student proficiency and provides retraining as required.

7.1.3.2.3 Customer Feedback

Customer feedback plays an important role in improving training development and future training.

NSTID develops, distributes, and collects AAR/feedback forms to/from NET/DTT participants. NSTID reviews the forms and provides copies to the PM.

The NSTID Web Site will also provide support to units. The site will provide a digital library with up-to-date technical manuals and quick reference guides. The site will contain a listing of all CECOM local area representatives, NSTID POCs, and feedback forms.

7.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

USAICoE, Commanders, and PM FW and PM ARES will use lessons learned and AAR data to support efficient and effective ARL/ARL-E operational training by observing unit and individual performance in the operational environment to identify strengths and weaknesses. USAICoE lessons learned team and the CALL collect and analyze data from a variety of current and historical sources, including Army operations and training events. CALL disseminates this information and other related research materials to Soldiers through a variety of print and electronic media. Commanders will conduct AARs after training events and deployments to collect feedback to improve operational training. Commanders and unit trainers will use IEWTPT TCC's AAR capability to assess the effectiveness of the training.

7.1.3.3 Resource Processes

The numbers and person-years listed below are estimates based on the Resource Tables listed in paragraph 6.1.3.3. The tables below listed as TADSS and Facilities/Land will remain blank, as no numbers are available at this time. The numbers listed below are estimates.

8.0 Self-Development Training Domain

Self-development for ARL units will focus on the use of TSP from NET. The target audience for self-development is the payload operators, mission managers, and maintenance personnel.

8.1 Self-Development Training Concept and Strategy

The Soldiers assigned to ARL units will utilize the TSP for self-development study. The TSP will complement and reinforce the OJT program. NSTID will host the TSP on IKN/IKN-Secret for self-development training.

8.1.1 Product Lines

PM ARES in conjunction with NSTID will develop a TSP for self-development purposes using the IKN as a host for self-development training of Soldiers outside of mission hours.

8.1.1.1 Training Information Infrastructure

Self-development ARL/ARL-E TII will consist of position specific constructive simulation architecture, the TRADOC-approved data repository, the MITS, and the necessary hardware and software to conduct training. ARL/ARL-E TII will conform to both joint and Army architectures and standards to enable the development, storage, retrieval, delivery, and management of TSS products and information.

8.1.1.1.1 Hardware, Software, and Communications Systems

Soldiers will access training support information and training exercise content using an unclassified network and IKN as the host for all self-development training outside of mission hours.

8.1.1.1.2 Storage, Retrieval, and Delivery

ARL/ARL-E institutional training information will be located at one or more of the following TRADOC data repositories: Army Training Network (ATN), Central Army Register (CAR), IKN and IKN-Secret.

8.1.1.1.3 Management Capabilities

ARL/ARL-E self-development TII will be managed NSTID using IKN/IKN-Secret training databases

8.1.1.1.4 Other Enabling Capabilities

N/A

8.1.1.2 Training Products

NSTID or the Training Domain owner will post ARL-E training materials (TSP and DTT) on IKN. PM FW, PM ARES, and USAICoE will conduct a review of ARL/ARL-E training materials when the system is upgraded. The review of the training materials will determine if any modifications to ARL/ARL-E training materials are required. PM FW and PM ARES will ensure USAICoE and the affected fielded units receive any new materials/related data is updated in the current TRADOC approved training database and relevant system manuals.

8.1.1.2.1 Courseware

PM ARES in conjunction with both USAACE and USAICoE will provide input for the entry of A-ISR self-development LPs into the TDC. USAICoE will use the LPs entered into TDC for generation of POI for self-development. The accompanying DTT material will be available on the appropriate network depending upon classification. The ARL/ARL-E courseware will cover the tasks necessary to ensure operability of each systems payload.

8.1.1.2.2 Courses

Support of self-development will incorporate training opportunities as applicable to ARL/ARL-E self-development training.

8.1.1.2.3 Training Publications

NSTID will maintain current publications, or other training content required for self-development training on IKN/IKN-Secret databases.

8.1.1.2.4 Training Support Package (TSP)

Soldiers will use elements of the NET TSP to sustain individual critical tasks. For a full description of the NET TSP, see paragraph 5.1 – New Equipment Training.

8.1.1.3 Training Aids, Devices, Simulators and Simulations (TADSS)

Due to the nature of self-development, TADSS will currently be limited to those manuals, books, and network material/systems/connections that will assist in the training of ARL/ARL-E training. AEBs may expand this self-development training via the use of ARL/ARL-E mission equipment where applicable.

8.1.1.3.1 Training Aids

Units will resource the training aids required for NET and unit sustainment training to include IETMs, SUMs, student handouts, job aids, and role/position checklists.

8.1.1.3.2 Training Devices

PM FW and PM ARES, in conjunction with USAICoE, will develop the training required to support self-development training for Soldiers in and out of the work environment.

8.1.1.3.3 Simulators

N/A

8.1.1.3.4 Simulations

N/A

8.1.1.3.5 Instrumentation

N/A

8.1.1.4 Training Facilities and Land

N/A

8.1.1.4.1 Ranges

N/A

8.1.1.4.2 Maneuver Training Areas (MTA)

N/A

8.1.1.4.3 Classrooms

N/A

8.1.1.4.4 CTCs

N/A

8.1.1.4.5 Logistics Support Areas

ARL/ARL-E distance learning will not require logistics support areas beyond current existing environments.

8.1.1.4.6 Mission Command Training Centers (MCTC)

N/A

8.1.1.5 Training Services

PM FW and PM ARES will support all ARL/ARL-E training capabilities to include updates and sustainment through the end of the ARL/ARL-E lifecycle.

8.1.1.5.1 Management Support Services

USAICoE and USAACE will coordinate for Soldiers access to the information, courseware, requirements, devices, and communication technology management services necessary to conduct robust sustainment training.

8.1.1.5.2 Acquisition Support Services

ARL/ARL-E self-development training will not require management support services beyond those provided for operational training.

8.1.1.5.3 General Support Services

ARL/ARL-E self-development training will not require management support services beyond those provided for operational training

8.1.2 Architectures and Standards Component

8.1.2.1 Operational View (OV)

Self-development will focus on the use of the TSP. NSTID will host the TSP on IKN for use by Soldiers at the AEB.
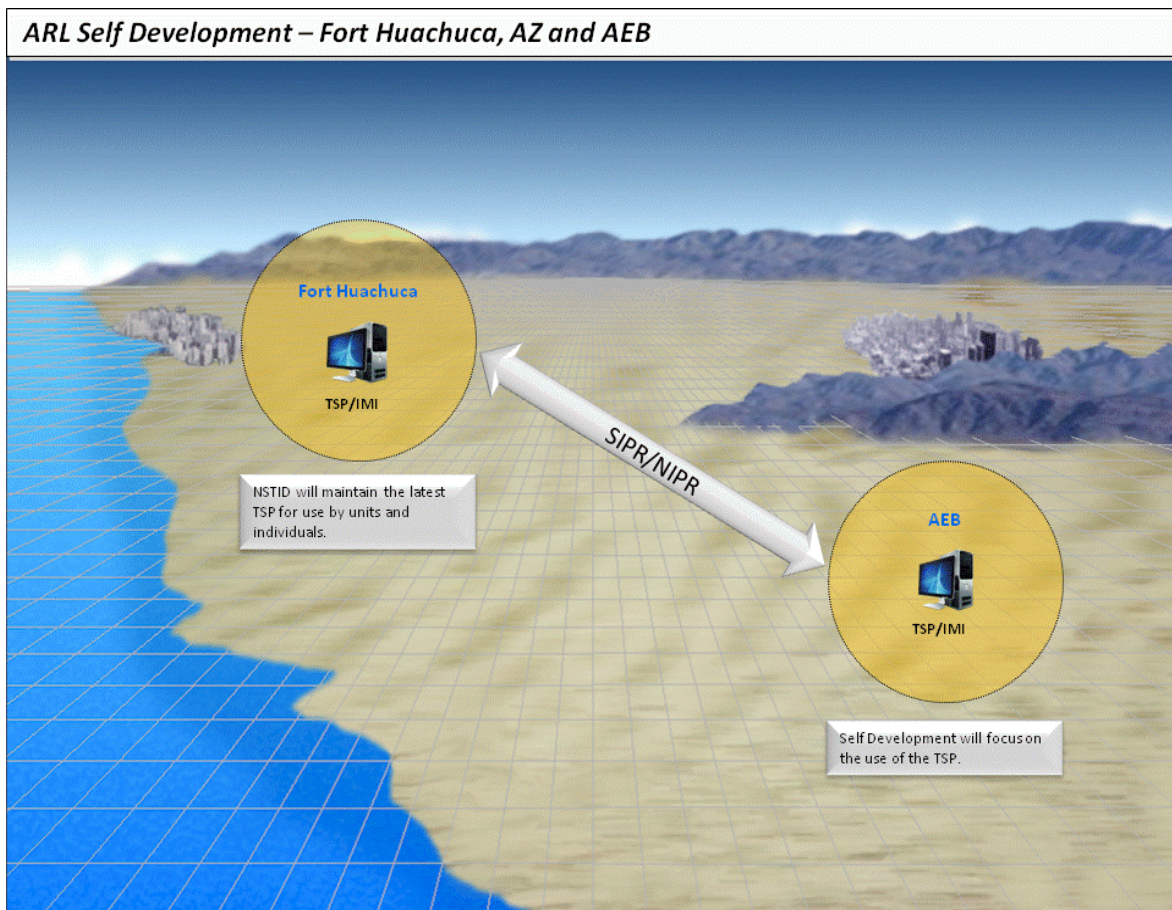
8.1.2.2 Systems View (SV)

PM ARES, in conjunction with NSTID, will host all training content on appropriately classified learning management, knowledge, and dL repositories for access. Project Foundry will support MOS and technical sustainment training as necessary.
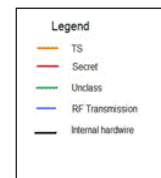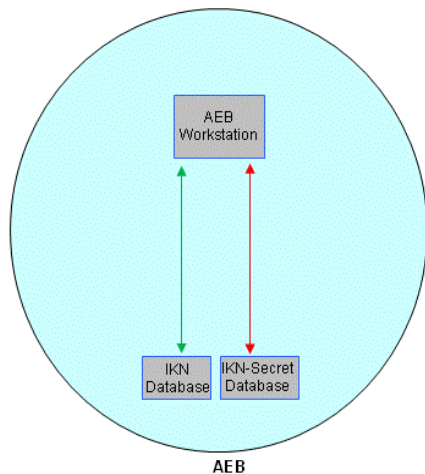
8.1.2.3 Technical View (TV)

N/A

8.1.3 Management, Evaluation, and Resource (MER) Processes Component

8.1.3.1 Management

8.1.3.1.1 Strategic Planning

PM FW and PM ARES, in conjunction with NSTID, will design the ARL/ARL-E self-development training strategies to ensure the total training package meets the requirements set forth in the JDSAISR ICD and the CATS.

8.1.3.1.2 Concept Development and Experimentation (CD&E)

N/A

8.1.3.1.3 Research and Studies

N/A

8.1.3.1.4 Policy and Guidance

The following ARs, TC, TR, and TPs describe the policies regulating the implementation of the TSS for ARL/ARL-E:

8.1.3.1.5 Requirements Generation

8.1.3.1.6 Synchronization

Self-development training synchronization will include actions that involve arranging activities in time, space, and purpose relative to other training initiatives to maximize ARL/ARL-E TSS operations. These synchronization efforts may include:

8.1.3.1.7 Joint Training Support

TBD

8.1.3.2 Evaluation

8.1.3.2.1 Quality Assurance (QA)

When applicable, QAO will amend existing institutional surveys. The dL/IMI developer will provide QAO with the relevant dL questions to garner feedback on self-development training. Feedback will assist USAICoE in correcting self-development training deficiencies, and will provide information that may affect the next generation of equipment or product improvement.

8.1.3.2.2 Assessments

NSTID will reassess the self-development products annually to ensure changes to the system reflect in training.

8.1.3.2.3 Customer Feedback

Customer feedback plays an important role in improving training development and future training.

NSTID develops, distributes, and collects AAR/feedback forms to/from NET participants. NSTID reviews the forms and provides copies to the PM.

The NSTID Web Site will also provide support to units. The site will provide a digital library with up-to-date technical manuals and quick reference guides. The site will contain a listing of all CECOM local area representative, NSTID POCs, and feedback forms.

8.1.3.2.4 Lessons Learned/After-Action Reviews (AARs)

USAICoE, Commanders, and PM ARES will use lessons learned and AAR data to support efficient and effective ARL/ARL-E operational training by observing unit and individual performance in the operational environment to identify strengths and weaknesses.

USAICoE lessons learned team and the CALL collect and analyze data from a variety of current and historical sources, including Army operations and training events. CALL disseminates this information and other related research materials to Soldiers through a variety of print and electronic media. Commanders will conduct AARs after training events and deployments to collect feedback to improve operational training.

8.1.3.3 Resource Processes

8.1.3.3 Resource Processes

A Milestone Annex

TRAINING DEVELOPMENT MILESTONE SCHEDULE – SHEET A		PAGE OF PAGES	REQUIREMENTS CONTROL SYMBOL
SYSTEM Aerial Reconnaissance Low (ARL)	ACAT	OFFICE SYMBOL	AS OF 16 MAR 2013

POINTS OF CONTACT	NAME	OFFICE SYMBOL	TELEPHONE
MATERIEL COMMAND			
TRADOC PROPONENT			
TCM INTELLIGENCE SENSORS:	Mr. Keith Landry	USAICoE, TCM-IS	
CD:			
TD:	SSG Ricky Williams	USAICoE, NSTID	DSN 821-7620
ATSC:			
SUPPORTING PROPONENTS:			

ITEM	DATE	RESPONSIBLE AGENCY/POC		TELEPHONE
MNS:				
SMMP:				
MRD:				
ILSMP:				
TTSP:		SSG Ricky Williams	USAICoE, NSTID	DSN 821-7620

QQPRI:				
BOIP:				
NETP:				
CPD:	D, NOV 12	Mr. Keith Landry	USAICoE, TCM-IS	
STRAP:	D, JUNE 12	Mr. Michael Harney	USAICoE, NSTID	DSN 821-1183

COMMENTS:

TRAINING DEVELOPMENT MILESTONE SCHEDULE - SHEET B	PAGE OF PAGES	REQUIREMENTS CONTROL SYMBOL													
SYSTEM	TRADOC SYMBOL							AS OF DATE							
TRAINING PACKAGE ELEMENT/PRODUCT															
LEGEND:	MILESTONES BY QUARTER														

NOTE: Identify **TRAINING DEVELOPMENT MILESTONES**. TRADOC FORM 569-1-R-E provides a detailed list of typical training development products required to support system training integration.

COMMENTS:

NOTE: The following table is optional; however, it is useful for populating SHEET B above and provides greater detail for each milestone. If not used, delete from this section before submitting for staffing.

	Individual Training Plan (Per each ITP)	
	Milestone:	Date
	1. Initial Individual Training Plan (ITP) submitted.	
	2. Annotated task list submitted.	
	3. Course Administrative Data (CAD) submitted.	
	4. Training Program Worksheet (TPW) submitted.	
	5. ITP submitted.	
	6. POI submitted.	
	7. Digitized copy archived.	
	8. Resident course start date (NLT 12 months after FUE).	

	Army Correspondence Course Program	
	(Only as a DL portion of a TATS course)	
	Milestone:	Date
	1. Requirement identified and submitted for approval.	
	2. Requirement approved by HQ TRADOC.	
	3. Development initiated.	
	4. Advance breakdown sheet submitted.	
	5. Digitized camera-ready copy (CRC) submitted.	
	6. Subcourse material ready for replication/distribution.	
	Field Manuals (FMs)	
	Milestone:	Date

	1. Requirements identified.	
	2. Draft FM changes validated.	
	3. FM outlines approved.	
	4. FM coordinating draft completed.	
	5. Print/digitization request initiated.	
	6. Approved digitized CRC submitted.	
	7. Replication/distribution completed.	
	Army Training Literature Note: Includes the Soldiers'Manual (SM), Trainers'Guide (TG), and Army Training and Evaluation Program (ARTEP) products.	
	Milestone:	Date

	1. Analysis completed.	
	2. Draft SM, ARTEP MTP, and TG.	
	3. ATSC staffing.	
	4. Digitized/CRC submitted.	
	5. Replication/distribution completed.	
	Interactive Multimedia Instruction (IMI)/Distance Learning	
	Milestone:	Date
	1. Requirements identified and submitted for approval.	
	2. Requirements approved by ATSC and TRADOC.	
	3. Resources identified.	

	4. Courseware developed and validated.	
	5. Master materials to ATSC for replication and distribution.	
	6. Replication/distribution completed.	
	Training Effectiveness Analysis (TEA)	
	(Conducted in-house, by contract, Training Development and Analysis Activity [TDAA], TRADOC Analysis Center [TRAC], or Program Manager [PM])	
	Milestone:	Date
	1. TEA during capabilities development.	
	2. TEA updated for Milestone Decision Review A.	
	3. TEA updated for Milestone Decision Review B.	

	4. TEA updated for Milestone Decision Review C.	
	5. Post-Fielding TEA (PFTEA) planned.	
	Army Visual Information Production and Distribution Program (DAVIPDP)	
	Milestone:	Date
	1. High risk tasks and jobs identified.	
	2. Storyboards validated.	
	3. DAVIPDP requirements submitted to ATSC.	
	4. Requirements approved by DA.	
	5. Production initiated.	
	6. Replication/distribution	

	completed.	
	Training Aids, Devices, Simulators, and Simulations	
	(TADSS)	
	Milestone:	Date
	1. High risk, hard-to-train tasks identified.	
	2. Need for TADSS identified.	
	3. TADSS concept validated.	
	4. TADSS incorporated into the STRAP (part of the CATS).	
	5. Analytical justification using the TEA provided.	
	6. TSS CDD/ CPD developed, if required.	

	7. TADSS effectiveness validated.	
	8. TADSS incorporated into the ICD, CDD, CPD, STRAP	
	9. MOS-specific milestones/requirements for TADSS developed and incorporated in the integrated training strategy (ITS).	
	Training Facilities and Land	
	Milestone:	Date
	1. Range and facility requirements identified.	
	2. Identification of construction requirements completed.	
	3. Construction requirements submitted to MACOM.	
	4. Requirements validated and updated.	

	5. Supporting requirements identified and availability coordinated.	
	6. Installation and other construction requirements submitted to MACOM.	
	7. Refined construction requirements and range criteria forwarded to MACOM, IMA, Chief of Engineers	
	8. Construction initiated.	
	Training Ammunition	
	Milestone:	
	1. Ammunition identified.	
	2. Initial ammunition requirements validated.	

	3. Requirements included in the ORD.	
	4. Ammunition item developed.	
	5. Validation and test completed.	
	6. Ammunition requirements identified in the ITP.	
	7. Requirements provided to installation/MACOM manager.	
	8. Requirements included in DA Pam 350-38.	
	9. Production entered.	
	Training Equipment	
	Milestone	
	1.	

	2.	
	Training Services	
	Milestone	
	1. Contractor Logistic Support	
	2. Contractor NET Support	
	3. Contractor DET Support	

B References

1. ARL Capabilities Development Document, Draft November 2012

C Coordination Annex

Organization/POC (Date)	Summary of Comments Submitted (A/S/C)			Comments Accepted/ Rejected						Rationale for Non-Acceptance - S, C
				Accepted			Rejected			
	A	S	C	A	S	C	A	S	C	
v0.2.2 Richard P Athanas 2013/09/27 - 2013/10/07	Document Accepted As Written	0	0	0	0	0	0			-
v0.2.1 Approvals - James A Callahan 2013/09/26 - 2013/10/06	Document Accepted As Written	0	0	0	0	0	0			-
v0.2 Army - USASOC 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0			-
v0.2 Army - USAREUR 2013/07/25 - 2013/08/24	Document Accepted As Written	0	0	0	0	0	0			-
v0.2 Army - USARC G7 (US Army Reserve Cmd) 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0			-
v0.2 Army - USAMA 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0			-
v0.2 Army - USAACE - Aviation School 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0			-
v0.2 Army - US Joint Forces Command Net-C2 2013/07/25 -	No Comments Submitted	0	0	0	0	0	0			-

2013/08/24										
v0.2 Army - TRADOC_ARCIC 2013/07/25 - 2013/08/24	No Comments Submitted		0	0	0	0	0	0	-	
v0.2 Army - TRADOC G-3/5 2013/07/25 - 2013/08/24	No Comments Submitted		0	0	0	0	0	0	-	
v0.2 Army - TRADOC Command Safety Office 2013/07/25 - 2013/08/24	Document Accepted As Written		0	0	0	0	0	0	-	
v0.2 Army - TCM-Virtual (CS/CSS) 2013/07/25 - 2013/08/24	No Comments Submitted		0	0	0	0	0	0	-	
v0.2 Army - TCM-SBCT 2013/07/25 - 2013/08/24	3	0	0	2	0	0	1	0	0	
v0.2 Army - TCM-Live 2013/07/25 - 2013/08/24	No Comments Submitted		0	0	0	0	0	0	-	
v0.2 Army - TCM-Gaming 2013/07/25 - 2013/08/24	0	2	0	0	2	0	0	0	0	
v0.2 Army - TCM-ABCT 2013/07/25 - 2013/08/24	No Comments Submitted		0	0	0	0	0	0	-	
v0.2 Army - TCM TADLP 2013/07/25 - 2013/08/24	1	1	0	0	1	0	1	0	0	

v0.2 Army - TCM ITE 2013/07/25 - 2013/08/24	0	4	0	0	3	0	0	1	0	
v0.2 Army - TCM Intel Sensors 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - TCM Constructive 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - TCM ATIS 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - Space&Missile Defense Command 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - SIGCoE - Signal School 2013/07/25 - 2013/08/24	Document Accepted As Written			0	0	0	0	0	0	-
v0.2 Army - SIGCoE - OCOS 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - SCoE 2013/07/25 - 2013/08/24	1	0	0	0	0	0	1	0	0	
v0.2 Army - PM-UAS 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - PM PROPHET 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-

v0.2 Army - PM Fixed Wing 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0	-		
v0.2 Army - PM DCGS-A 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0	-		
v0.2 Army - PM Air Warrior 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0	-		
v0.2 Army - PEO-STRI Customer Support Group 2013/07/25 - 2013/08/24	1	0	0	1	0	0	0	0	0	
v0.2 Army - PEO Missiles and Space (IAMD) 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0	-		
v0.2 Army - PEO Aviation 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0	-		
v0.2 Army - MSCoE - MANSCEN 2013/07/25 - 2013/08/24	1	0	0	1	0	0	0	0	0	
v0.2 Army - MCoE - Infantry&Armor School 2013/07/25 - 2013/08/24	Document Accepted As Written	0	0	0	0	0	0	-		
v0.2 Army - MCCoE 2013/07/25 - 2013/08/24	No Comments Submitted	0	0	0	0	0	0	-		

v0.2 Army – LD&E 2013/07/25 – 2013/08/24	No Comments Submitted	0	0	0	0	0	0	–		
v0.2 Army – IMCOM 2013/07/25 – 2013/08/24	Document Accepted As Written	0	0	0	0	0	0	–		
v0.2 Army – Human Resource Command (HRC) 2013/07/25 – 2013/08/24	No Comments Submitted	0	0	0	0	0	0	–		
v0.2 Army – HQDA G2 – Alternate POC 2013/07/25 – 2013/08/24	No Comments Submitted	0	0	0	0	0	0	–		
v0.2 Army – HQDA G2 2013/07/25 – 2013/08/24	Document Accepted As Written	0	0	0	0	0	0	–		
v0.2 Army – HQ INSCOM G3, NWD 2013/07/25 – 2013/08/24	No Comments Submitted	0	0	0	0	0	0	–		
v0.2 Army – FCoE – Field Artillery 2013/07/25 – 2013/08/24	1	1	0	1	0	0	0	1	0	
v0.2 Army – DAMO-TRS 2013/07/25 – 2013/08/24	No Comments Submitted	0	0	0	0	0	0	–		
v0.2 Army – CTCD 2013/07/25 – 2013/08/24	No Comments Submitted	0	0	0	0	0	0	–		
v0.2 Army – Combined Arms Center 2013/07/25 – 2013/08/24	No Comments Submitted	0	0	0	0	0	0	–		

v0.2 Army - CAC-T; Training Management Dir 2013/07/25 - 2013/08/24	0	10	0	0	8	0	0	2	0	
v0.2 Army - Brigade Modernization Cmd (BMC) 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - AVNCoE Aviation Logistics School 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - ATSC TSAID 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - ATSC Fielded Devices 2013/07/25 - 2013/08/24	0	0	1	0	0	1	0	0	0	
v0.2 Army - ATSC 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - ARNG-RMQ-RA 2013/07/25 - 2013/08/24	Document Accepted As Written			0	0	0	0	0	0	-
v0.2 Army - Army National Guard 2013/07/25 - 2013/08/24	No Comments Submitted			0	0	0	0	0	0	-
v0.2 Army - Army Material Command (AMC), G3 2013/07/25 -	No Comments Submitted			0	0	0	0	0	0	-

2013/08/24								
v0.2 Army - AMEDD Center&School 2013/07/25 - 2013/08/24	Document Accepted As Written	0	0	0	0	0	0	-
v0.1 Peer - USASOC 2013/02/01 - 2013/03/01	No Comments Submitted	0	0	0	0	0	0	-
v0.1 Peer - USAACE - Aviation School 2013/02/01 - 2013/03/01	0	5	0	0	5	0	0	0	0
v0.1 Peer - Transportation School 2013/02/01 - 2013/03/01	No Comments Submitted	0	0	0	0	0	0	-
v0.1 Peer - TRADOC_ARCIC 2013/02/01 - 2013/03/01	No Comments Submitted	0	0	0	0	0	0	-
v0.1 Peer - TRADOC ILS 2013/02/01 - 2013/03/01	No Comments Submitted	0	0	0	0	0	0	-
v0.1 Peer - TRADOC DCS, G-1/4 2013/02/01 - 2013/03/01	No Comments Submitted	0	0	0	0	0	0	-
v0.1 Peer - TRADOC Command Safety Office 2013/02/01 - 2013/03/01	No Comments Submitted	0	0	0	0	0	0	-
v0.1 Peer - TCM-SBCT 2013/02/01 - 2013/03/01	Document Accepted As Written	0	0	0	0	0	0	-

v0.1 Peer - TCM-PBC/CID 2013/02/01 - 2013/03/01	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - SIGCoE - Signal School 2013/02/01 - 2013/03/01	1	0	1	1	0	1	0	0	0	
v0.1 Peer - SCoE 2013/02/01 - 2013/03/01	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - PM ARES 2013/02/01 - 2013/03/01	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - MSCoE - MANSCEN 2013/02/01 - 2013/03/01	2	1	0	2	0	0	0	1	0	
v0.1 Peer - MCoE - Infantry&Armor School 2013/02/01 - 2013/03/01	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - FCoE-ADA School 2013/02/01 - 2013/03/01	0	3	0	0	3	0	0	0	0	
v0.1 Peer - FCoE - Field Artillery 2013/02/01 - 2013/03/01	8	3	0	7	2	0	1	1	0	
v0.1 Peer - AVNCoE Aviation Logistics School 2013/02/01 - 2013/03/01	No Comments Submitted			0	0	0	0	0	0	-
v0.1 Peer - AMC G-8 2013/02/01 -	No Comments Submitted			0	0	0	0	0	0	-

2013/03/01									

Key
Completed Review with Comments
Completed Review, No Comments
Active Review Occurring

DEPARTMENT OF THE ARMY
UNITED STATES ARMY INTELLIGENCE CENTER OF EXCELLENCE
1903 HATFIELD STREET
FORT HUACHUCA, ARIZONA 85613-7000

ATZS-DCT   25 September 2013

MEMORANDUM FOR Director, New Systems Training and Integration Directorate
(ATZS-CDI-N), 550 Cibeque Street, Ft. Huachuca, AZ 85613-7017

SUBJECT: Approval of System Training Plan (STRAP) for the Aerial Reconnaissance
Low (ARL) / Aerial Reconnaissance Low-Enhanced (ARL-E)

1. The ARL/ARL-E STRAP is approved. Approved STRAP will be posted to the Central
Army Registry (CAR) website: www.adtdl.army.mil.

2. Point of contact for this STRAP is Mr. Stephen McFarland, NSTID STRAP Manager
(520) 533-5387 (DSN 821), stephen.j.mcfarland.civ@mail.mil.

LISA K. PRICE
COL, MI
Deputy Commander, Training